

CLIMATOLOGICAL DATA FOR SEPTEMBER, 1913.

DISTRICT NO. 12, COLUMBIA VALLEY.

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GENERAL SUMMARY.

September was an unusually pleasant month in the Columbia Valley. There was a little more precipitation than common, but it fell in well distributed periods, and while slightly injurious to hops and prunes, was on the whole beneficial. Temperature fluctuations were frequent and rapid, but generally of small amplitude, and therefore not disagreeable. Frost at the beginning of the third decade brought the growing season to a close in nearly all localities east of the Cascade Mountains; to the west of this range no killing frosts have yet occurred in the agricultural sections, except in a few exposed places. There were many small but no large forest fires and the atmosphere was remarkably free of smoke for this season of the year. Transportation interests and construction work suffered few delays on account of the weather, which was also as a rule favorable for maturing and harvesting late crops.

TEMPERATURE.

The month was warmer than usual in all parts of the district, except at a few scattered places in central and northeastern Oregon, central and southeastern Washington and at the headwaters of the Snake River in southeastern Idaho. It was decidedly warmer in southern and eastern Oregon where the temperature ranged from 1° to more than 5° above the normal, and much cooler in south-central Washington where it was from 1° to more than 2° below the September average.

The mean temperature of the district, as determined from the records of 288 stations, was 58°, which is 0.7° above normal. The highest temperature, 101°, was recorded on the 16th and 19th at Glendale, Oreg., at an elevation of 1,440 feet, and the lowest temperature, 7°, occurred on the 25th at Follyfarm, in southeastern Oregon, at an altitude of 3,710 feet. The greatest daily range in temperature, 70°, was at Pleasant Valley, Mont., at which station was also recorded the lowest monthly mean, 47.6°, while the highest monthly mean, 66.6°,

was at Garnet, Idaho. The table shows for comparative purposes the mean temperature and departure from normal for the States of Oregon, Washington, and Idaho, and those portions of Montana and Wyoming in District No. 12, for the month of September during the last five years.

PRECIPITATION.

More than the usual amount of rain fell west of the Cascade Mountains and in extreme southeastern Idaho; elsewhere the precipitation was generally less than the average. The rainfall was unusually heavy along the northern Oregon and southern Washington coasts where it was from 3 to 6 inches in excess of the September normal. Some snow was reported from stations in high altitudes.

The average precipitation for the district, as computed from the records of 378 stations, was 1.48 inches, which is 0.16 of an inch above the normal. The greatest 24-hour rainfall, 5.20 inches, occurred at Goat Lake, Wash., on the 4th, at an elevation of 2,900 feet. The greatest monthly amount, 11.81 inches, was also recorded at the last named station, and no rain fell at Big Basin, Oreg., and Eltopia, Wash. Snowfall to the depth of 8.8 inches was reported from Hat Creek, Mont., at an altitude of 6,000 feet.

The average monthly precipitation with departure from normal for the month of September during the last five years is also shown in the following table for the States of Oregon, Washington, and Idaho, and for those portions of Montana and Wyoming in District No. 12:

Years.	Oregon.		Washington.		Idaho.		Montana.		Wyoming.	
	Mean.	Depart.	Mean.	Depart.	Mean.	Depart.	Mean.	Depart.	Mean.	Depart.
1909.....	60.4	+1.8	60.8	+1.6	58.2	+1.6	55.3	+0.2	49.2	....
1910.....	54.6	-0.7	58.3	+0.6	58.0	+0.7	52.4	-0.1	52.2	+1.8
1911.....	55.6	-2.7	56.3	-1.9	56.4	-1.7	51.8	-1.0	47.7	-2.0
1912.....	57.1	-1.6	57.4	-1.0	52.4	-5.2	48.4	-5.0	45.8	-5.6
1913.....	58.5	+1.0	56.8	+0.4	58.1	+0.1	54.7	+1.3	50.5	-1.3

THE RIVERS.

The Willamette River and tributaries preserved a nearly normal stage during the month, except for a small rise during the first week when the maximum stages were recorded. The Columbia and Snake Rivers were above the normal, and the water in the latter rose during the month, so that the maximum heights were recorded between the 25th and 30th and the minimum during the first decade. In the Columbia the highest stages were observed on the 1st and the lowest toward the end of the month.

Years.	Oregon.		Washington.		Idaho.		Montana.		Wyoming.	
	Mean.	Depart.	Mean.	Depart.	Mean.	Depart.	Mean.	Depart.	Mean.	Depart.
1909.....	60.4	+1.8	60.8	+1.6	58.2	+1.6	55.3	+0.2	49.2	....
1910.....	54.6	-0.7	58.3	+0.6	58.0	+0.7	52.4	-0.1	52.2	+1.8
1911.....	55.6	-2.7	56.3	-1.9	56.4	-1.7	51.8	-1.0	47.7	-2.0
1912.....	57.1	-1.6	57.4	-1.0	52.4	-5.2	48.4	-5.0	45.8	-5.6
1913.....	58.5	+1.0	56.8	+0.4	58.1	+0.1	54.7	+1.3	50.5	-1.3

The following table summarizes river conditions throughout the district:

Station.	River.	High-est.	Date.	Low-est.	Date.	Mean.	Nor-mal.
Albany.....	Willamette.....	2.2	5th....	1.0	*20th..	1.3	1.1
Salem.....	do.....	2.5	5th....	-0.4	*21st..	0.2	0.4
Wilsonville.....	do.....	5.4	6th....	1.0	*27th..	2.6	2.5
Oregon City.....	do.....	4.8	7th....	1.3	*24th..	2.6	2.6
Portland.....	do.....	5.9	*2d..	2.8	25th..	4.4	3.5
Jefferson.....	Santiam.....	2.5	5th....	1.0	*14th..	1.2	1.3
McMinnville.....	Yamhill.....	8.5	5th....	-0.3	*1st..	0.8	0.7
Cazadero.....	Clackamas.....	2.3	*4th..	1.1	*10th..	1.3	....
Kamiah.....	Clearwater.....	3.2	*23d..	2.5	21st..	2.8	....
Weiser.....	Snake.....	5.3	30th..	2.0	1st....	3.3	2.8
Lewiston.....	do.....	2.1	*21st..	0.8	*1st..	1.6	1.2
Riparia.....	do.....	2.9	*25th..	1.5	*7th..	2.3	1.8
Bonners Ferry.....	Kootenai.....	7.4	7th....	3.5	30th..	4.9	3.8
Newport.....	Pend Oreille.....	1.9	1st....	0.1	30th..	0.8	0.4
Northport.....	Columbia.....	4.9	1st....	0.2	30th..	3.0	1.1
Wenatchee.....	do.....	13.8	*7th..	9.1	30th..	12.3	10.7
Umatilla.....	do.....	....	....	4.4	30th..	....	....
The Dalles.....	do.....	9.1	1st....	6.2	30th..	7.9	7.1
Cascade Locks.....	do.....	6.5	1st....	4.4	*29th..	5.7	5.2
Vancouver.....	do.....	5.3	1st....	2.6	25th..	4.1	3.7

NOTE.—The asterisk (*) indicates that the stage was observed on more than one date.

MISCELLANEOUS PHENOMENA.

The prevailing winds were westerly and on several dates were of gale force in some sections; maximum velocities of 50, or more, miles an hour were reported as follows: North Head, Wash., 68 miles, from the southwest on the 2d, and Tatoosh Island, Wash., 52 miles, from the south, on the 3d.

Killing frosts were quite general in eastern Oregon during the first and second decades, but caused little damage as crops were generally matured; some heavy frosts also formed during the third decade at stations in Idaho and eastern Washington.

Thunderstorms occurred in Idaho on a number of days and in some instances were accompanied by hail. Storms of this character were also reported from a few stations in Oregon and Washington.

A solar corona was observed at Doraville, Oreg., on the 22d, and a lunar halo at Prineville, Oreg., on the 14th.

MONTHLY WEATHER REVIEW.

SEPTEMBER, 1913

TABLE 1.—Climatological data for September, 1913. District No. 12, Columbia Valley.

Stations.	Counties.	Elevation, feet.	Length of record, years	Temperature, in degrees Fahrenheit.					Precipitation, in inches.				Sky.		Prevailing wind direction.	Observers.					
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, estimated.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
<i>Montana.</i>																					
Anaconda.	Deer Lodge.	5,330	11	54.3	+ 0.8	85	7	25	24	45	0.46	- 0.90	0.13	0.1	6	22	6	2	C. D. Desmond.		
Butte.	Silver Bow.	5,716	18	54.4	+ 1.5	82	7	20	22	39	0.54	- 0.84	0.26	4.4	4	21	4	5	nw. J. R. Wharton.		
Columbia Falls.	Flathead.	3,100	17	55.4	+ 2.4	87	8	25	10	47	0.38	- 1.74	0.26	0	4	19	6	5	sw. J. M. Grist.		
Como.	Ravalli.	3,750	6	54.2	-	90	3	30	24	40	0.57	- 0.80	0.30	0	5	24	1	5	Hiram Platt.		
Dayton.	Flathead.	2,925	8	55.8	-	83	4	28	24	36	0.30	-	0.20	0	2	23	5	3	A. J. Ruechel.		
Deer Lodge.	Powell.	4,509	1									-	0.24	0	6	21	8	1	H. B. Grant.		
East Anaconda.	Deer Lodge.	5,500	7	54.8	-	85	7	26	24	38	0.44	-	0.12	0.2	7	22	6	2	s. C. D. Desmond.		
Fortine.	Lincoln.	2,975	7	52.2	-	80	18	22	27	55	1.18	-	0.48	0	12	15	8	6	Mike Petery.		
Hamilton.	Ravalli.	3,524	10	58.5	+ 2.0	86 ^a	4	35 ^b	11	43 ^c	0.33	- 0.87	0.15	0	5	25	0	5	nw. Hamilton Chamber of Commerce.		
Hat Creek.	Powell.	6,000	3									-	2.06	-	0.71	8.8	4	11	16	3	w. M. K. Landreth.
Haugan.	Missoula.	3,150	1	53.2	-	88	7	21	24	62	0.54	-	0.14	0	6	11	16	3	sw. U. S. Forest Service.		
Heron.	Sanders.	2,261	1	54.4	-	85	12	26	24	51	1.03	-	0.29	0	8	17	6	7	w. E. Knott.		
Kalispell.	Flathead.	2,965	16	53.4	- 0.5	80	4	27	24	41	0.31	- 1.02	0.27	0	2	16	6	6	w. U. S. Weather Bureau.		
Libby.	Lincoln.	3,075	3	55.8	+ 0.8	87	12	24	20	59	1.16	- 0.54	0.33	0	9	19	4	7	sw. U. S. Weather Bureau.		
Missoula.	Missoula.	3,225	34	57.3	+ 1.6	89	4	26	25	52	0.74	- 0.51	0.28	0	6	19	4	7	sw. S. B. Muchmore.		
Ovando.	Powell.	4,050	13	51.2	+ 0.9	86	5	16	24	51	0.46	- 0.91	0.16	0	5	0	30	0	0	w. G. T. Bramble.	
Philipsburg.	Granite.	5,273	9	55.0	-	89	7 ^c	27	24	58	0.45	-	0.27	4.0	4	25 ^b	1 ^b	2 ^b	w. James M. Self.		
Plains.	Sanders.	2,473	14	57.6	+ 2.1	88	17	27	24	48	0.66	- 0.82	0.36	0	3	17	12	1	sw. A. D. Stillman.		
Pleasant Valley.	Flathead.	3,500	5	47.6	-	83	12 ^b	10	24	70	0.44	-	0.12	0	7	17	0	13	w. F. P. Brown.		
Polson.	do.	2,920	5									-								U. S. Reclamation Service.	
Saint Ignatius.	Missoula.	2,911	7	56.8	-	86	16	27	24	52	0.93	-	0.39	0	5	20	8	2		Martin S. Pixley.	
Salt Lake.	do.	3,600	8									-	0.38	0	8	18	0	12		University Orchard Co.	
Stevensville.	Ravalli.	3,500	1	56.0	-	86	7	25	24	47	0.36	-	0.22	0	4	22	4	4	w. James Hylen.		
Thompson Falls.	Sanders.	2,424	1	54.2	-	85	2 ^c	24	24	52	0.52	-	0.21	0	6	21	4	5	w. R. W. Fisher.		
Trout Creek.	do.	2,375	1									-	0.29	0	2	16	0	14			
Victor Stock.	Ravalli.	3,537	8									-									
Willow Glen Farm.	Deer Lodge.	5,084	2	52.4	-	85	8 ^c	21	25	53	1.	-				21	3	6	ne. G. E. Luce.		
<i>Wyoming.</i>																					
Afton.	Lincoln.	6,200	9	51.4	-	81	5	18	25	47	2.45	-	0.45	1.5	9	19	5	6	n. A. V. Call.		
Alta.	do.	6,500	3	49.4	-	79	6 ^b	13	25	49	1.90	-	0.44	1.0	10	12	12	6	Mrs. Lucy Brown.		
Bechler River.	Yellowstone Park.	6,500	1									-	0.54	0.4	6	19	4	7	sw. U. S. Army.		
Bedford.	Lincoln.	5,900	13	49.6	- 1.3	75	5 ^c	17	25	48	1.37	+ 0.44	0.45	T.	8	17	7	6	w. C. G. Heiner.		
Moran.	do.	6,770	1									-								U. S. Reclamation Service.	
Snake River.	Yellowstone Park.	7,000	7	50.4	-	84	5	13	26	65	1.78	-	0.40	2.1	8	24	3	4	sw. U. S. Army.		
<i>Nevada.</i>																					
San Jacinto.	Elko.		8	53.8	-	85	1	10	24	57	50	-	48	0	2	-				F. W. Marchant.	
<i>Utah.</i>																					
Standrod.	Boxelder.			58.2	-	81	5	23	24	34	1.11	-	0.50	0.8	6	22	6	2	sw. T. B. Jones.		
<i>Idaho.</i>																					
Albion.	Cassia.	4,850	10	57.8	+ 1.1	87	5 ^b	16	25	57	0.56	- 0.15	0.21	0	3	18	11	1 ^b	w. C. E. Bocock.		
Almo.	do.	3										-	0.83	0	2	24	0	6		Wm. D. Cahoon.	
American Falls.	Power.	4,341	21	59.8	+ 2.1	94	1	22	27	56	1.28	+ 0.58	0.72	0	3	24	6	6	ne. Geo. Stoll.		
Arrowrock.	Bolse.	3,100	1	63.2	-	96	12	30	24	50	0.79	-	0.32	0	5	24	3	3	w. U. S. Reclamation Service.		
Blackfoot.	Bingham.	4,563	17	56.4	- 0.4	87	1 ^b	18	25	51	1.50	+ 0.92	1.24	0	4	20	7	3	sw. E. A. Dowd.		
Blackfoot Dam.	Bannock.	6,200	3	53.6	-	83	12	16	25	49	1.57	-	0.55	T.	7	16	3	11	w. S. C. Waddell.		
Bogus Creek.	Bolse.	4,200	4									-	0.94	0	4	18	12	0		F. P. Ingraham.	
Boise.	Ada.	2,739	27	62.2	+ 0.8	93	7	36	25	42	0.65	+ 0.24	0.26	0	3	20	5	5	sw. U. S. Weather Bureau.		
Boise King.	Elmore.	5		50.2	-	89	7	22	24	51	0.53	-	0.44	0	3	19	6	5		A. W. Stevens.	
Bonners Ferry.	Bonner.	1,850	6	53.9	-	83	12 ^b	29	24	46	1.14	-	0.33	0	4	22	4	4	sw. W. H. Heideman.		
Boulder Mine.	Boise.	4,800	3									-	0.71	-						Patrick Moriarty.	
Buhl.	Twin Falls.	3,800	6	60.6	-	88	7	24	25	48	0.05	-	0.05	0	1	21	8	1	sw. S. C. Orr.		
Caldwell.	Canyon.	2,372	8	60.0	-	89	12	25	25	47	0.40	-	0.23	0	3	15	12	3	w. Wm. J. Boone, D. D.		
Caldwell Exp. Station.	Canyon.	1		60.4 ^d	-	90 ^c	17	26	24	51 ^c	0.35	-	0.30	0	2	-	-	-		C. B. Hampson.	
Cambridge.	Washington.	2,651	17	59.4 ^d	- 0.4	91 ^c	15	25 ^b	26	53 ^c	1.18	-	0	-						C. H. Shepherd.	
Cedar Creek Dam.	Twin Falls.	5,220	2									-								Robert Hoffman.	
Chesterfield.	Bannock.	5,424	16	51.0	- 0.3	82	4 ^b	13	25	56	1.37	+ 0.67	0.68	T.	6	15	12	3	sw. C. S. West.		
Clarks Fork.	Bannock.	2,084	1	54.4	-	77	13	32	10	40	1.56	-	0.46	0	5	16	8	6	e. Wm. Potter.		
Coeur d'Alene.	Kootenai.	2,157	18	60.0	-	92	12	31	2	51	0.50	- 0.89	0.24	0	4	22	4	2	sw. J. H. O'Rourke.		
Council.	Adams.	3,059	1	60.3 ^d	-	92 ^c	7 ^b	29 ^b	24 ^c	53 ^c	0.23	-	0.13	0	2	-	-	-	F. L. Featherston.		
Culdesac.	Nez Perce.	1,520	4	60.4	-	95	7 ^c	30	24	55	0.60	-	0.30	0	6	17	10	3	mrs. b. Caldwell.		
Deary.	Latah.	2,854	1	57.5 ^c	-	92 ^c	12	26	24	56	1.18	-	0.35	0	5	-	-	-	w. W. Davis.		
Dent.	Clearwater.	1,350	7									-								Emil Schueller.	
Driggs.	Fremont.	6,097	6	49.9	-	80	5	13	25	47	1.59	-	0.70	T.	4	10	17	3	sw. W. H. Durrant.		
Emmett.	Canyon.	2,350	6	64.4	-	96	12	31	24	51	0.36	-	0.30	0	2	25	3	2	w. U. S. Forest Service.		
Fornay.	Lemhi.	6,000	12									-	0.20	0	1	23	4	3	e. M. B. Merritt.		
Garnet.	Elmore.	2,575	13	66.6	+ 0.9	97	12	32	26	49	0.20	- 0.13	0.20	0	5	24	3	4	e. A. Kenison.		
Geneva.	Bear Lake.	6,171	4									-	0.74	0.35	T.	5	24	3	4	w. F. W. Boehme.	
Glenns Ferry.	Elmore.	2,569	4	62.9	-	99	12	21	26	47	0.03	-	0.03	0	1	22	4	5	w. I. E. Perkins.		
Gooding.	Gooding.	3,572	3	61.2	-	92	7 ^c	21	24	53											

TABLE 1.—Climatological data for September, 1913. District No. 12—Continued.

Stations.	Counties.	Elevation, feet	Length of record, years	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
<i>Idaho—Continued.</i>																				
Lakeview.	Bonner.	2,250	15	54.4	- 1.1	78	16	34	18	41	1.17	- 0.51	0.55	0	6	13	5	12	sw.	E. D. Faust.
Landore.	Adams.	5,300	8	52.8	.....	84	7	22	24	57	0.62	0.24	0.24	0	5	24	6	0	.....	Mrs. Emma L. Brown.
Leadore.	Lemhi.	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Tom Keating.	
Lewiston.	Nez Perce.	757	19	63.9	+ 0.4	96	17	36	24	48	0.60	- 0.05	0.37	0	6	20	6	4	e.	U. S. Weather Bureau.
Little Camas.	Elmore.	5,000	3	.....	.....	.....	.....	.....	.....	.....	0.26	0.14	0.14	T.	4	8	14	8	w.	Solon McCoy.
Loop Creek.	Custer.	6,000	3	.....	.....	82 ^c	7	22	24	40	0.85	0.42	0.42	0	3	23	7	0	nw.	Mrs. Mary Williams.
Mackay.	do.	5,897	5	55.8	.....	83	8	22	24	40	1.49	0.35	0.35	0	8	14	11	5	sw.	U. S. Forest Service.
Malad.	Oneida.	4,700	59.4d	.....	.....	93 ^a	6	25 ^d	25	50 ^d	0.46	0.25	0.25	0	3	21	6	3	sw.	Uther Jones.
Meridian.	Ada.	2,657	2	62.1	.....	93	12	29	25	46	0.26	0.26	0.26	0	1	12	0	18	w.	A. W. Garrett.
Mesa.	Adams.	3,275	2	62.7	.....	93	7	34	25	43	0.26	0.26	0.26	0	1	12	0	18	n.	I. S. Carter.
Middle Fork.	Idaho.	1,397	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Jos. McGhee.	
Milner.	Twin Falls.	4,110	9	60.2	- 0.4	88	5 ^f	24	24	52	0.45	+ 0.01	0.20	0	3	17	9	4	w.	James K. Young.
Moore.	Blaine.	5,700	12	56.2	+ 1.4	83	1	22	24	46	1.01	+ 0.41	0.80	0	2	26	2	2	se.	Chas. B. Lemon.
Moscow.	Latah.	2,743	20	57.5	+ 0.2	90	13	31	23 ^f	40	0.91	- 0.32	0.42	0	3	15	10	5	se.	University of Idaho.
Mountainhome.	Elmore.	3,150	7	60.6	.....	93	7	20	26	69	0.10	0.06	0.06	0	2	21	5	4	nw.	Mrs. Ellen Marion.
Murtaugh.	Twin Falls.	6	57.2 ^c	.....	.....	93 ^c	17	21 ^c	25	49 ^c	1.05	0.50	0.50	0	4	19	11	0	w.	J. E. Steinour.
New Meadows.	Adams.	3,050	8	50.7	.....	90	7	15	24	64	0.54	0.37	0.37	0	6	17	12	1	n.	Lee Highley.
Nezperce.	Lewis.	3,082	3	56.0	.....	89	7 ^f	26	24	54	0.68	0.34	0.34	0	4	21	5	4	sw.	P. Mitchell.
Oakley.	Cassia.	4,700	19	60.0	+ 0.8	87	4	26	24	48	0.65	- 0.10	0.44	0	2	15	11	4	sw.	John Adams.
O'Hara Bar.	Idaho.	1,557	2	.....	.....	.....	.....	31 ^c	25	50 ^c	1.50	1.10	1.10	0	1	12	0	12	sw.	J. D. Agnew.
Orofino.	Clearwater.	1,027	8	61.5	.....	96	12	30	24	54	0.53	0.45	0.45	0	3	22	6	2	sw.	Geo. Alfeneder.
Paris.	Bear Lake.	5,946	18	53.2	- 1.3	80	1 ^f	17	25	48	0.50	- 0.43	0.20	T.	4	20	6	4	w.	John Norton.
Payette.	Canyon.	2,159	21	61.6	+ 0.1	92	13	25	25	54	0.14	- 0.40	0.09	0	3	21	4	5	sw.	E. F. Allen.
Piorson.	Custer.	7,000	4	48.8	.....	92	7	11	24	60	1.05	0.66	0.66	0	2	25	1	4	n.	D. P. Clarke.
Pleasant Valley.	Ada.	3,000	5	61.2	.....	95	12	25	24	52	0.62	0.42	0.42	0	3	26	1	3	s.	C. E. Friedrich.
Pocatello.	Bannock.	4,483	13	59.2	- 1.5	86	5	25	25	42	0.88	0.00	0.34	T.	7	15	8	7	sw.	U. S. Weather Bureau.
Poratello Nursery.	do.	5,396	6	55.9 ^b	94 ^b	4 ^f	21 ^b	27	50 ^b	0.28	0.35	0.45	0	3	22	6	2	sw.	Mrs. Fannie Say.	
Poplar.	Bonneville.	5,500	3	54.0	.....	88	1	17	23	47	0.86	0.37	0.37	0	5	23	4	3	sw.	C. M. Lawrence.
Porthill.	Bonner.	1,685	23	53.6	- 0.1	78	13 ^f	29	24	38	1.11	- 0.85	0.55	0	6	21	3	6	sw.	H. A. French.
Priest River Experimentation Station No. 1.	Priest River Experimentation Station No. 2.	Priest River Experimentation Station No. 3.	2,500	1	52.2	.....	7 ^f	12 ^f	30	24	39	1.98	0.73	0	8	17	7	6	sw.	U. S. Forest Service.
do.	2,500	1	55.9	.....	86	12	29	24	49	1.85	0.72	0	8	17	7	6	sw.	Do.		
do.	1	52.4	.....	.....	86	12	23	19 ^f	58	2.00	0.83	0	8	17	7	6	se.	Do.		
Pyle Creek.	Boise.	3,100	3	.....	.....	86	12	29	24	49	1.85	0.72	0	8	17	7	6	sw.	P. V. Smith.	
Richfield.	Lincoln.	4,306	3	58.3	.....	88	7 ^f	23	24	48	1.01	0.72	0	3	20	9	1	sw.	Idaho Irrigation Co.	
Rogerson.	Twin Falls.	5,900	1	59.0 ^c	98 ^c	12	19 ^c	25	43 ^c	0.51	0.27	0	5	6	0	0	0	nw.	J. S. Bussell.	
Roseberry.	Boise.	4,472	3	.....	.....	88	17	24	24	44	0.35	0.19	0	3	22	3	4	sw.	Rev. T. P. Graham.	
Roseworth.	Twin Falls.	4,660	2	.....	.....	86	12	25	24	54	0.29	0.18	0	3	23	3	4	n.	D. B. Hartwell.	
Rupert.	Minidoka.	4,204	6	58.8	.....	88	4 ^f	22	25	54	0.47	0.47	0	1	19	11	0	w.	Will Parry.	
St. Anthony.	Fremont.	4,968	15	.....	.....	88	17	24	24	44	0.47	0.47	0	1	19	11	0	w.	Heber C. Sharp.	
St. Maries.	Kootenai.	2,263	15	.....	.....	88	12	33	23	37	1.03	0.39	0	6	19	5	6	se.	J. S. Turnbull.	
St. Michael's Priory.	Idaho.	3,811	57.4	.....	.....	82	12	33	23	37	1.03	0.39	0	6	19	5	6	se.	Rev. Father Berthold, O. S. B.	
Salmon.	Lemhi.	4,040	7	57.4	.....	91	5	19	24 ^f	57	0.65	0.37	0	5	20	6	4	w.	E. K. Abbott.	
Sandpoint.	Bonner.	2,088	2	56.0 ^c	90 ^c	12	28 ^c	24	47 ^c	2.11	0.80	0	6	0	0	0	0	n.	S. M. Moore.	
Sheep Hill.	Boise.	5,000	3	59.0	.....	89	7 ^f	24	24	44	0.47	0.47	0	3	19	11	0	w.	C. M. Gardner.	
Shoshone.	Lincoln.	3,968	5	59.9	.....	89	7 ^f	24	24	44	0.47	0.47	0	1	19	11	0	w.	Zell Truman.	
Silver City.	Owyhee.	6,280	5	.....	.....	86	7 ^f	24	24	44	0.36	0.21	0	3	23	5	2	n.	Russell Stoddard.	
Soldier Creek.	Blaine.	5,755	2	.....	.....	92 ^c	7	24	24	56	0.56	0.18	0	0	0	0	0	n.	J. E. Minear.	
Spirit Lake.	Kootenai.	2,540	2	.....	.....	90	7 ^f	24	24	55	0.56	0.21	0	0	0	0	0	sw.	M. C. Krause.	
Springfield.	Bingham.	4,420	4	57.9	.....	90	17	25	25	54	0.77	0.44	0	4	16	10	4	sw.	Mrs. W. A. Edwards.	
Sugar.	Aida.	3,607	5	57.9	.....	90	17	19	25	54	0.77	0.44	0	4	16	10	4	sw.	Ray G. Lyons.	
Sunnyside.	Fremont.	4,892	5	53.0	.....	81	7 ^f	18	25	48	1.26	0.55	0	T.	5	19	3	8	sw.	Utah-Idaho Sugar Co.
Triplot Mountain.	Elmore.	3,500	3	.....	.....	86	17	23 ^f	24	48	1.26	0.55	0	T.	0	0	0	0	sw.	Col. M. M. Wood.
Twin Falls.	Twin Falls.	3,835	7	60.8	.....	90	12	22	25	57	2.08	0.94	0	4	9	7	4	sw.	Mrs. Verna Paddock.	
Vernon.	Fremont.	5,050	14	54.0	- 0.1	82	5	18	25	43	1.04	+ 0.10	0.30	T.	5	14	9	7	sw.	J. A. Waters.
Wallace.	Shoshone.	2,728	5	55.0	.....	88	18	19	24	51	1.17	0.30	0.30	0	9	14	2	2	sw.	A. M. Slattery.
Weiser.	Washington.	2,114	1	63.9	.....	96	7 ^f	24	26	55	0.13	0.06	0	3	14	14	2	se.	U. S. Weather Bureau.	
Wendell.	Gooding.	3,400	4	60.7	.....	90	17	25	24	50	0.04	0.04	0	1	22	6	2	w.	J. W. Lapish.	
Weston.	Franklin.	4,460	14	58.8	+ 1.1	91	6	21	25	51	1.48	+ 0.58	0.60	0	7	18	2	10	n.	Chas. L. Dingler.
<i>Washington.</i>																				Wm. T. Chatterton.
Aberdeen.	Chehalis.	162	22	59.2	+ 1.8	84	11 ^f	39	23	40	6.27	+ 1.83	2.10	0	10	17	7	6	nw.	H. A. Benham.
Anacortes.	Skagit.	60	19	58.3 ^b	.....	77	8	41	30	33 ^b	1.23	- 0.51	0.26	0	8	13	15	2	sw.	Douglas Allmond.
Anatone.	Asotin.	2,800	52.8	.....	83	47	26	25	50	1.41	- 0.50	0.80	0	3	21	7	3	sw.	W. A. Hamilton.	
Baker.	Skagit.	390	7	59.2	.....	83	13 ^f	39	24	40	6.20	0.90	0	9	14	4	12	n.	Robt. M. White.	
Bellingham.	Whatcom.	60	18	58.8	+ 2.4	77	16	39	23	44	2.37	+ 0.10	0.97	0	8	17	9	4</td		

TABLE 1.—*Climatological data for September, 1918. District No. 12—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.			Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.		
<i>Washington—Contd.</i>																					
Fort Simcoe.	Yakima.	1,427	18	61.2	- 2.1	89	7	40	19 ^t	46	0.09	- 0.57	0.05	0	2	21	5	4	w.	Richard Newmark.	
Gerome.	Stevens.	1,200	1								11.81		5.20		0	8				w. W. King.	
Coat Lake.	Snohomish.	2,900	2																c. m. Mackintosh.		
Gold Basin.	do.	1,360																	U. S. Forest Service.		
Gold Creek.	Yakima.	2,600	4																John W. Anderson.		
Goldendale.	Klickitat.	1,800	7	59.5		89	16	34	24 ^t	46	0.65	+ 0.10	0.50	0	2	18	12	2	w.	Klickitat Co. Abstract Co.	
Granite Falls.	Snohomish.	397	10										0.93	+ 0.02	1.30	0	5	16	11	3	w. C. H. Cleaver.
Hanford.	Benton.	385		62.2		94	18	33	9	45	0.03		0.03		0	10	13	15	3	w. Frances Lee Bash.	
Hatton.	Adams.	1,100	8	60.4 ^t		89 ^t	7 ^t	28	10 ^t	54 ^t	0.33		0.17		0	4	12 ^t	4 ^t	8 ^t	w. Dr. A. V. Marion.	
Huntsville.	Columbia.	1,400	5								1.16		0.60		0	3				Mrs. S. J. Hill.	
Irene Mountain.	Okanogan.	2,700	4																Mrs. Theo. Wheeler.		
Kennewick.	Benton.	368	18	64.1 ^t	0.0	95 ^t	17	33 ^b	24	48 ^t	0.02	- 0.32	0.02	0	1				R. E. Reed.		
Kent.	King.	53		58.0		85	12	35	23	42	3.89		1.98	0	6	16	5	9	A. O. Jeffries.		
Kettle Falls.	Stevens.	1,265	4																Harry H. Cole.		
Kiona.	Benton.	430	7	61.1		93	17	32	24 ^t	48	0.20		0.08	0	3	26	3	1	Dr. F. S. Hedger.		
Knowlton (near).	Okanogan.	3,800	59.4			87	13	38	8	41									W. P. Jay.		
Kosmos.	Lewis.	775	7	59.0		90	2 ^t	32	24	51			1.20	0	8	17	13	0	ne.		
La Center.	Clarke.	250	16	57.5	- 0.6	94	20	31	23	45	3.60	+ 0.90	1.18	0	7	16	11	3	sw.		
La Crosse.	Whitman.	1,400	4	59.2		92	12	26	10 ^t	57			0.75	0	5	21	6	3	w.		
Lake Clealum.	Kittitas.	2,171	4	55.6		85	16	23	24	44	1.37		0.50	0	6	8	16		M. E. Schreck.		
Lake Kachess.	do.	2,235	5	54.4		82	24 ^t	30	24 ^t	50			0.66	0	5	17	3	10	nw.		
Lake Keechelus.	do.	2,479	5	54.0		88	12	30	24 ^t	45	3.77		1.62	0	8	15	7	8	nw.		
Lakeside.	Chelan.	1,116	23	62.6	+ 0.7	86	12 ^t	42	23 ^t	36	0.17	- 0.35	0.09	0	3	11	18	1	w.		
Laurel.	Klickitat.	1,900	4										2.23		1.03	0	5	21	7	2	w.
Laurier.	Ferry.	1,644	3	56.5		85	12 ^t	29	10 ^t	52	1.49		0.41	0	8	12	6	2	w.		
Lone Tree.	Chehalis.	9		58.5		78	11	48	1 ^t	26	5.38		1.56	0	13	6	22	2	nw.		
Longmires Springs.	Pierce.	2,800	2										4.50		1.90	0	5	20		Do.	
Lost Creek.	Okanogan.	3,125	4										0.80		0	5	17	9	4	s.	
Miltons Ranch.	Ferry.			52.4		81	17	28	9 ^t	45				0					P. H. Leese.		
McConihe.	Grant.	1,072	2	60.9		91	12	34	10 ^t	42	0.22		0.11	0	3	24	2	4	w.		
McCumber Ranch.	Yakima.	2,182	3										2.20		1.10	0	3	20	7	3	sw.
Moses Lake.	Grant.	1,070	2										0.20		0.10	0	3	29	1	0	sw.
Mottinger.	Benton.	307	13	65.5	- 0.5	92	17	42	23	40	0.22	- 0.27	0.12	0	3	26	4	0	w.		
Mount Pleasant.	Clallam.	500	2	54.4		77	13	40	22	48			0.81						W. M. Dorr.		
Moxee.	Yakima.	1,000	21	59.4	- 0.6	93	17	29	24 ^t	53	0.41	- 0.06	0.39		1.04	0	9	13	10	7	n.
Newport.	Pend Oreille.	2,400	3	53.8		85	12	24	19 ^t	55	2.07		0.79	0	7	18	6	6	s.		
North Head.	Pacific.	211	11	57.4	+ 1.2	84	11	50	5	26	2.40	+ 0.55	0.78	0	10	18	8	4	nw.		
Northport.	Stevens.	1,350	14	58.0	+ 2.9	85	8 ^t	34	18 ^t	45	1.05	- 0.49	0.60	0	5	20	8	2	n. W. F. Case.		
North Yakima.	Klickitat.	4		63.4		90	12 ^t	38	24	42	0.14		0.09	0	2				Ruth J. Shepard.		
Odessa.	Yakima.	1,070	4	64.4		86	12 ^t	34	9	41	0.36		0.36	0	1	23	2	5	nw.		
Oiga.	Lincoln.	1,540	10	59.2		91	12	29	10 ^t	45	0.26		0.14	0	4	19	11	0	sw.		
Olympia.	San Juan.	50	23	56.0	+ 0.5	70	16 ^t	42	19	21	1.09		0.15	0	6	14	9	7	nw.		
Ornak.	Thurston.	45	35	58.5	+ 1.6	82	12	34	25	47	2.83	+ 0.12	1.42	0	7	15	6	9	n.		
Oroville.	Okanogan.	850	4	60.2		91	17	32	24 ^t	51	0.38		0.17	0	4	21 ^t	5 ^t	6 ^t	n.		
Peela.	do.	922	3	59.8		87	20	33	10 ^t	45	0.70		0.30	0	3	16	10	4	n.		
Pomeroy.	Garfield.	5,000	4										0.74		0.41	0	4	22	6	2	sw.
Port Crescent.	do.	1,500	21	60.2	- 1.1	91	17	32	23 ^t	48	0.47	- 0.55	0.20	0	4	16	13	1	w.		
Port Townsend.	Clallam.	259	18	52.0	- 0.5	68	12	35	23	42	3.29	+ 0.99	1.40	0	13	10	10	10	nw.		
Prosser.	Jefferson.	80	23	58.3	+ 1.3	77	12	45	9 ^t	26	2.12	- 0.11	0.51	0	6	13	5	7	nw.		
Pullman.	Whitman.	2,550	21	61.5 ^t	+ 3.1	92 ^t	12	36	24	42	0.94	- 0.35	0.30	0	5	18	8	4	sw.		
Quetts River.	Jefferson.	16	2	57.4		77	20	42	14	30	7.08		3.10	0	16	13	10	7	nw.		
Quinaluit.	Chehalis.	300	6	59.0		90	11	38	18	45	7.30		2.10	0	11	12	14	4	w.		
Reardan.	Lincoln.	2,510	13	57.0	+ 0.5	91	18	28	10 ^t	55	0.85	- 0.04	0.40	0	5	17	5	8	sw.		
Republic.	Ferry.	2,628	13	54.2	+ 0.1	86	12	26	10 ^t	53	1.87	+ 0.87	0.65	0	7	17	3	10	s.		
Rex Creek.	Chelan.	1,135	6										0.74		0.41	0	4		James W. Nicol.		
Robertsville.	Adams.	1,825	14										0.34	- 0.25	0.14	0	4		Agent, N. P. Ry.		
Rock Lake.	Klickitat.																	R. R. Conner.			
Rosalia.	Whitman.	1,910	7										0.77		0.24	0	4		H. C. Melcher.		
Russells Ranch.	do.	2,425	21	57.4	+ 1.1	91	12	31	24	43	0.94	- 0.14	0.32	0	5	23	3	4	sw.		
Seattle.	Yakima.	2,870	4										0.94		0				Hans Mumm.		
Sedro Woolley.	King.	248	22	58.8	+ 0.9	77	20	47	23	27	2.37	+ 0.44	1.05	0	9	12	6	12	n.		
Sixprong.	Skagit.	38	16	57.2	- 0.2	77	18	30	23	45	1.81	+ 0.62	1.10	0	12	11	7	5	sw.		
Skagit Power Dam.	Klickitat.	1,240	6	65.4		92	17	42	23	40	0.05		0.05	0	1	18	3	9	w.		
Whatcom.	Whatcom.	510	3	57.1		77	16 ^t	41	24 ^t	35	7.03		2.00	0	11	17	4	9	w.		
Snohomish.	Snohomish.	55	10	59.2 ^t	+ 1.8	85 ^t	25	35 ^t	25	41	3.18	+ 0.34	0.90	0	9	21 ^t	2 ^t	6 ^t	n.		
Snoqualmie Pass.	King.	887	14	58.6	+ 1.2	82	16	36	23	41	5.84	+ 2.32	2.68	0	11	17	1	12	R. E. Chadwick.		
Snyders Ranch.	Okanogan.	3,000	4										0.40	- 0.25	0	2	23	3	4	nw.	
South Bend.	Okanogan.	2,200	4	53.4		85	12	25	24 ^t	53	0.40		0.25	0	2	23	3	4	nw.		
Spokane.	Pacific.	140	18	58.6	- 0.3	81	11	41	14	34	6.87	+ 3.38	2.10	0	11	18	7	3	e.		
State University.	Spokane.	1,943	32	59.0	+ 0.2	89	12	34	24	40	0.86	- 0.15	0.37	0	6	15	9	6	sw.		
Stokes Ranch.	King.	170	4	59.6		78	12	48	23	26	2.41		1.17	0	6	14	2	14	sw.		
Sullivan Lake.	Okanogan.	2,670	4										0.41		0	13	16	1	nw.		
Summer.	P																				

TABLE 1.—Climatological data for September, 1913. District No. 12—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.				
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.				
Washington—Contd.																						
Wind River.	Skamania.	1,300	2	58.6		87	12	33	24	49	7.36		3.12	0	7	15	5	10	w.	U. S. Forest Service.		
Winthrop.	Okanogan.	1,765	2	57.3		87	17	30	24 [†]	49	0.30		0.20	0	4	23	3	4		Methow Trading Co.		
Yacolt.	Clark.	850											2.42			7	18	6	s.	C. R. Miller.		
Yale.	Cowlitz.	375	6	59.6		87	16 [†]	41	23	44	3.18		1.06	0	8	14	7	9	sw.	J. A. Williams.		
Oregon.																						
Agency Plains.	Crook.	2,363		52.8	+	0.5	82	12	28	23	38	0.19	-0.06	0.19	0	1	22	2	6	nw.	W. S. Williams.	
Albany.	Linn.	212	31	60.3	+	0.5	90	12	37	25	45	1.73	-0.06	0.76	0	7	18	3	9	n.	F. M. French.	
Ashland.	Jackson.	1,963	29	62.1	+	0.4	95	16	35	23	49	0.92	+0.24	0.82	0	2	21	1	8	nw.	Louie Dodge.	
Astoria.	Clatsop.	16	52	60.0	+	1.0	81	11	45	30	53	5.98	+2.29	1.75	0	11	17	6	7	nw.	Irving Club.	
Austin.	Grant.	4,250		51.1 ^b		88 ^b	7	15 ^b	24	55 ^b	1.30		1.36		17b	9b	2b	w.	U. S. Forest Service.			
Baker.	Baker.	8,468	23	56.4	-	0.5	89	7	25	24	49	0.55	-0.21	0.35	0	2	23	4	3	nw.	U. S. Weather Bureau.	
Band.	Crook.	8,829	8	58.3	+	0.8	98	12	21	24	56	0.15	-0.58	0.10	0	2	23	4	3	s.	Bend Bulletin.	
Black Butte.	Lane.	1,200	12	56.6	-	0.2	85	17 [†]	33	23	41	3.85	+1.84	1.05	0	8	22	1	7	nw.	William Harris.	
Blalock.	Garfield.	237	15	68.8 ^a	-	1.4	94 ^a	17	43 ^a	38	38	0.16	-0.27	0.06	0	3	24 ^a	3 ^a	2 ^a	w.	Geo. W. Long.	
Burns.	Harney.	4,157	23	57.8	+	3.0	89	1	26	24	54	0.15	-0.66	0.15	0	4	18	9	3		J. C. Welcome, jr.	
Camp Creek.	Crook.	100	23	61.8	+	1.0	85	12	40	23	51	5.09	+1.55	2.10	0	10	21	2	7	w.	E. W. Nelson.	
Cascade Locks.	Hood River.	100	4	62.2		88	12	30	23	47	3.63		1.10		9	16	7	7	nw.	Val W. Tomkins.		
Cazadero.	Clackamas.	503	31	60.8		87	16	30	22 [†]	57	0.58		0.43		2	22	6	2		Alf Drill.		
Central Point.	Jackson.	60.8		88 ^a		87	17	19	22 ^a	55	0.26		0.19		5	22	4	4	sw.	A. C. Fiero.		
Chiloquin.	Klamath.	4,200		52.6		87	17	19	22 ^a	55	0.19		0.03		9	21	3	6	se.	H. W. Hincks.		
Cleat Lake.	Linn.	3,030		51.6		82	12 [†]	28	24	62	3.77		2.03		10	13	10	7	n.	R. B. Grondahl.		
Cliff.	Lake.	4,300	6	51.0		89	7	13	23	61	0.36		0.36	0	1	18	9	3	n.	John C. Green.		
Combs Flat.	Crook.	4,027		57.4																J. R. Breese.		
Condon.	Garfield.	2,884	6	59.4	-	0.7	91	12	34	25	44	2.33	+0.95	0.85	0	7	20	3	7		C. F. Kennedy.	
Corvallis.	Benton.	266	25	60.4																Oregon Agricultural College.		
Crescent.	Klamath.	4,400	1	51.2		90	20	13	25	68	0.34		0.25		3	19	1	1	sw.	W. W. Cryder.		
Culver.	Crook.	57.4		95		17		25	21 [†]	53	0.19		0.17	0	2	28	1	1	sw.	O. C. Young.		
Dayville.	Grant.	2,200	19	58.2	-	1.1	91	12 [†]	17	35 ^a	0.01		-0.75	0.01	0	1	21	3	1	nw.	J. Campbell Martin.	
Deadwood.	Lane.	350	30	60.2		85	17	38 ^a	24 ^a	38 ^a	5.77		2.04		6	17	6	7	n.	Supt. Salmon Hatchery.		
Doraville.	Columbia.	600	11	58.2	-	0.1	83	12 [†]	40	10	40	3.11	+1.05	1.04	0	9	13	10	7	nw.	Jos. Hackenburg.	
Drain.	Douglas.	300	11	60.7	+	0.1	92	11	32	24	54	1.65	+0.06	0.71	0	5	16	9	5	nw.	Ira Wimberly.	
Echo.	Umatilla.	625	9	62.2		84	17	32	24	50	T.		T.	0	0	25	1	4	w.	R. B. Stanfield.		
Ella.	Morrow.	830	9	62.8		94	14 [†]	30	24	42	0.10		0.05	0	2	28	1	1	sw.	Carl F. Troedson.		
Eugene.	Lane.	449	23	61.8	+	1.8	88	12	36	23	42	1.82	+0.20	0.88	0	6	19	1	10	nw.	Paul G. Bond.	
Folly farm.	Malheur.	3,710	1	55.3		92	7	7	25	67	0.11		0.11	0	1	24	5	1	w.	W. R. Gardner.		
Forest Grove.	Washington.	220	24	55.4																Pacific University.		
Glass Butte.	Crook.	4,200		55.4		90	7 [†]	19	22	65	0.10		0.10	0	1	20	6	4	w.	C. J. Stauffer.		
Glendale.	Douglas.	1,441	9	62.5		101	16 [†]	30	23	63	1.32		0.55	0	4	22 ^a	2 ^a	5	sw.	Carl Olson.		
Glenora.	Tillamook.	575	23	57.2	+	0.1	84	12	32	25	44	11.23	+6.13	4.80	0	8	15	7	8	sw.	Mrs. J. A. Reacher.	
Grants Pass.	Josephine.	938	25	56.6	+	0.6	96	16	20	23	53	1.02	+0.13	0.49	0	4	20	7	5	sw.	John B. Paddock.	
Grass Valley.	Sherman.	2,881	12	56.2	+	1.4	88	17	21	1	59	0.65	+0.24	0.23	0	3	25	1	4	ne.	Agent O.—W. R. & N. Co.	
Gurdene.	Umatilla.	3,500	4	54.8		88	6	28	23	52	5.33	+1.67	1.60	0	1	19	11	0	n.	Miss Belle Ely.		
Headworks.	Clackamas.	719	11	58.2	+	0.1	87	12 [†]	35	28	52	5.33	+1.67	1.60	0	11	11	0	0	n.	Portland Water Works.	
Harbor.	Curry.	130		60.0		89	15 [†]	41	25	39	6.66		2.56	0	6	30	5	5	nw.	Dr. C. E. Saunders.		
Heppner.	Morrow.	1,950	23	58.7	+	1.3	87	17	33	24	44	0.25	-0.80	0.12	0	3	19	11	0	w.	Frank Gilliam.	
Hermiston.	Umatilla.	451	6	62.3		94	17	29	24	49	0.22		0.11	0	3	19	x	3		C. W. Kellogg.		
Hillcrest Orchard.	Jackson.	1,595																		R. H. Parsons.		
Hollywood Orchard.	Hood River.	1,400		62.0	+	2.4	91	12	37	23	44	0.90	-0.59	0.35	0	5	21	5	4	w.	A. C. Allen.	
Hood River, No. 2.	do.	485	1	62.2		91	12 [†]	37	25	46	0.58		0.22		4	16	9	5	w.	Edward W. Birge.		
Hood River, No. 3.	do.	620	1	58.0		90	16	29	25	52	0.54		0.28		4	18	10	2	e.	C. Starr.		
Hood River, No. 4.	do.	850	1	58.0		86	16	33	24	42	1.07		0.50		5	24	3	3	w.	U. A. Newman.		
Huntington.	Baker.	2,165	12	64.8	+	0.7	93	6 [†]	29	26	46	1.01	+0.62	1.00	0	2	22	3	5	nw.	F. S. Bubb.	
Imperial.	Crook.																			Claude Cone.		
Jacksonville.	Jackson.	1,640	25	63.3	+	1.1	96	16	36	23	46	0.48	-0.43	0.36	0	3	22	4	4	4	n.	E. Britt.
Joseph.	Wallowa.	4,400	24	56.6	+	3.2	90	7 [†]	27	22 [†]	54	1.01	-0.15	0.68	0	4	17	4	9	s.	F. F. McCully.	
Klamath Falls.	Klamath.	4,100	24	60.0	+	1.8	87	12 [†]	31	22	42	0.14	-0.39	0.07	0	3	25	5	4	nw.	Augusta J. Hayden.	
La Grande.	Union.	2,784	25	58.6	-	0.4	91	1	30	24	45	0.70	-0.40	0.65	0	2	21	5	4	w.	W. A. Benham.	
Laidlaw.	Crook.	3,171		58.4		89	17	25	22 [†]	43	0.17		0.80	0	0	2	26	4	0	n.	J. W. Brown.	
Lakeview.	Lake.	4,950	30	57.5	+	0.4	88	17	25	22 [†]	43	0.17	-0.80	0.10	0	2	19	5	6	s.	C. C. Gott.	
Lapine.	Crook.	4,230		59.9		90	17 [†]	15	26	56	0.29		0.14		0	4	23	3	4	nw.	Albert Larson.	
McKenzie Bridge.	Lane.	1,400	12	57.5	-	0.5	95	12	26	25	58	3.02	+0.64	1.27	0	11	19	0	11	nw.	George Frissell.	
McMinnville.	Yamhill.	182	26	60.2	+	0.9	88	12 [†]	35	17 [†]	41	2.23	+0.29	0.90	0	6	22	1	7	sw.	M. E. Pettit.	
Meadow Brook Ranch.	Coos.	34		58.7		85	11	39	9 [†]	42	3.80		1.35	0	9	19	6	5	sw.	U. S. Weather Bureau.		
Mcford.	Hood River.	850	1	59.5		87	12	36	23 [†]	41	1.24		0.46	0	7	20	7	3	sw.	John W. Palmer.		
Morrill.	Klamath.	4,070	8	56.8		89	17	27	25	50	0.26		0.42	0	2	20	6	4	nw.	U. S. Weather Bureau.		
Metolius.	Crook.	2,255	3	58.1 ^a		93	17	21	24	55 ^a	0.17		0.17	0	1	20	x	1				
Miramont Farm.	Clackamas.	195	25	59.5</																		

TABLE 1.—Climatological data for September, 1913. District No. 12—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.			Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
Oregon—Continued.																					
Rio Hermoso.	Crook.	2,110	2	55.0	87	12	30	97	47	0.63	0.35	- 0.12	0.36	0	4	22	5	3	n.	C. T. Hubbard.
Riverside.	Malheur.	3,200	14	62.3	+ 3.9	99	2†	21	24	60	0.35	- 0.12	0.20	0	2	19	9	2	w.	Mrs. Leah Fairman.	
Robbyville.	Crook.	4,000	51.6	89	17	16	96	97	60	0.33	0.33	0	1	26	2	2	n.	Loren B. Robb.			
Roseburg.	Douglas.	510	35	62.1	+ 1.6	93	11	38	23	48	1.44	+ 0.40	0.93	0	6	17	8	5	n.	U. S. Weather Bureau.	
Salem.	Marion.	120	23	.....	.....	38	22	38	22	57	2.57	+ 0.93	0.84	0	5	13	3	9	nw.	H. A. Hoffman.
Seneca.	Grant.	4,800	2	49.8	.....	85	7†	8	24	68	T.	.....	.....	0	0	24	5	1	nw.	E. J. Southworth.
Silver Lake.	Lake.	4,700	18	56.8	+ 3.2	91	20†	20	26	57	0.07	- 0.58	0.07	0	1	26	4	0	n.	G. W. Marvin.	
Siskiyou.	Jackson.	4,115	5	58.8	81	20	35	97	38	0.41	0.20	0.10	0.20	0	4	22	3	5	n.	U. S. Weather Bureau.
Sparta.	Baker.	4,150	23	59.9	+ 2.5	90	2	27	24	59	0.10	- 1.00	0.10	0	1	25	5	0	w.	J. A. Wright.	
Stafford.	Clackamas.	400	17	61.1	- 0.4	89	19	41	1	39	3.51	+ 1.19	1.31	0	7	20	7	3	ne.	John P. Gage.	
Table Rock.	Jackson.	1,215	.....	62.3	.....	90	16†	26	23	60	0.48	.....	0.36	0	5	20	7	3	nw.	Mrs. J. C. Pendleton.
Talent.	do.	1,800	.....	63.3	.....	95	16	32	23	52	0.57	.....	0.53	0	2	21	7	7	nw.	T. F. Smith.
The Dalles.	Wasco.	112	39	64.9	+ 1.6	92	17	39	25	42	0.48	- 0.10	0.15	0	4	19	1	10	w.	Judd S. Fish.	
Tillamook.	Tillamook.	55.6	.....	90	11	36	23	47	47	4.67	1.60	.....	0	10	15	8	7	nw.	Will Spalding.	
Toledo.	Lincoln.	75	23	59.3	+ 0.8	89	1	36	22	47	3.45	+ 0.78	2.00	0	8	25	2	3	nw.	C. B. Crosno.	
Umatilla.	Umatilla.	340	25	65.0	- 0.2	93	17	37	24	48	0.24	- 0.27	0.15	0	3	21	1	8	e.	Mrs. H. T. Duncan.	
Union.	Union.	2,787	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Robert Withycombe.
Vale.	Malheur.	2,242	21	62.1	+ 3.4	93	4†	22	26	54	0.11	- 0.40	0.11	0	1	26	4	0	ne.	H. P. Osborne.	
Vida.	Lane.	1,100	2	59.9	.....	90	12	37	23	42	3.07	.....	1.13	0	8	21	1	8	w.	W. H. Pendell.
Waldo.	Josephine.	1,900	1	.....	.....	.....	.....	.....	.....	.....	.....	1.70	0	4	21	1	1	n.	W. H. Wittrock.	
Waldo Lake.	Lane.	5,494	.....	52.8	.....	81	20	29	9	33	3.28	.....	1.05	T.	9	20	0	10	n.	Simon Klovdaht.
Wallace Orchard.	Folk.	170	4	59.2	.....	85	11†	35	25	43	3.26	.....	1.10	0	6	13	13	4	ne.	Charles A. Park.
Wallowa.	Wallowa.	2,935	10	55.0	- 0.1	92	12	23	24†	60	1.28	+ 0.18	0.48	0	5	15*	7*	7*	nw.	L. Couch.	
Warmic.	Wasco.	1,500	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	A. J. Swift.	
Warmspring.	Crook.	1,500	11	59.4	- 0.8	94	17	28	18	49	0.39	- 0.30	0.20	0	3	13	14	3	se.	George W. Robbins.	
Wasco.	Sherman.	1,263	.....	60.0	.....	88	17	34	24	42	0.44	.....	0.20	0	4	20	6	4	w.	J. R. Howell.
Weston.	Umatilla.	1,800	21	64.2	+ 5.4	99	3	31	23	58	0.95	- 0.53	0.82	0	2	11	7	12	sw.	M. A. Baker.	
Whitaker.	Crook.	4,250	50.8	90	17†	10	24	66	61	0.11	0.11	0.11	0	1	22	6	2	nw.	Frank Percival.		
Williams.	Josephine.	1,368	21	60.6	+ 1.2	94	19	29	23†	55	0.74	- 0.08	0.32	0	3	21	3	3	n.	Francis J. Leroy.	
Yonna.	Klamath.	4,146	6	55.8	.....	91	18	16	25	59	0.20	.....	0.12	0	2	15	15	0	nw.	Ward Rueck.

a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for September, 1913. District No. 12, Columbia Valley.*

TABLE 2.—*Daily precipitation for September, 1913. District No. 12—Continued.*

TABLE 2.—*Daily precipitation for September, 1913. District No. 12—Continued.*

TABLE 2.—*Daily precipitation for September, 1913. District No. 12—Continued.*

TABLE 2.—*Daily precipitation for September, 1913. District No. 12—Continued.*

Stations.	Watershed.	Day of month.																													Total.				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				
<i>Oregon—Continued.</i>																																			
Pilot Rock.	Umatilla.																																		
Pompeii.	Columbia.																																		
Portland.	Willamette.	.71	.91	.27					.13					T.								.09						.05	.48			2.58			
Port Orford.	Coast.	1.00	2.00	.92					.06													.20						1.08	T.		5.26				
Post.	Deschutes.																																		
Powell Butte.	do.																						.10					.08				0.18			
Power House.	Columbia.			.01	T.																	.03					.83				0.87				
Prairie City.	John Day.			.02																		T.					.67				0.72				
Prineville.	Deschutes.								T.												T.					.40				0.40					
Prospect.	Rogue.	.08	.62	.08																		T.					.42				1.25				
Rager Creek.	Deschutes.	.04																				T.					.10				0.14				
Ramsey.	Columbia.			.00																		.06					.26				0.41				
Range.	John Day.																					T.					.30				0.30				
Ray Creek.	Columbia.			T.	T.	T.																T.					.12				0.12				
Redmond.	Deschutes.																					T.					.07				0.29				
Reston.	Umpqua.	.04	.37	.28																		T.					.23	.01			0.97				
Richland.	Snake.																					T.					T.								
Riddle.	Umpqua.	.13	.02	.04																		T.					.56	T.			.78				
Riley.	SE. drainage.																																		
Rio Hermoso.	Deschutes.			.36	.03																	.09					.15				0.63				
Riverdale.	do.	.02			T.	.01	T.																.04				.01	.25				0.49			
Riverside.	Malheur.																											.15	.20			0.35			
Robbville.	Deschutes.																											.33				0.33			
Roseburg.	Umpqua.	.06	.26	.08					T.													T.					.90	.03			1.44				
Salem.	Willamette.	.50	.62	.84					T.	T.																	.57				2.57				
Seneca.	SE. drainage.																											T.	T.	T.					
Silver Lake.	do.																											.07				0.07			
Siskiyou.	Rogue.			.10																								.10	.20			0.41			
Sisters.	Deschutes.			.22																								.04				0.28			
Sparta.	Snake.		T.																									.64				0.10			
Stafford.	do.	.52	1.31	.91	.02				.05													T.					.06	.80			1.09				
Starkey.	Grande Ronde.																											.23	T.			3.94			
Summit.	Willamette.	.37	1.78	1.35					.07					T.													.07				0.64				
Susanville.	John Day.																											.55							
Table Rock.	Rogue.	.01	.07	.02																								.36	.02			0.48			
Talent.	do.	T.																										.53	.04			0.57			
Tamarack.	John Day.			.12																									.23				0.47		
The Dalles.	Columbia.	.06	.12	T.																		T.					.14				0.46				
Tillamook.	Coast.	1.60	1.50			.30	.02																				.80	.11			4.67				
Toledo.	do.	.58	2.00	.10																								.28	.32			3.45			
Trail.	Rogue.	.16	.26	.03																								.71	.01			1.18			
Umatilla.	Columbia.	.07	T.																									.02				0.24			
Union.	Grande Ronde.																																		
Vale.	Malheur.																																		
Valley Falls.	SE. drainage.																																		
Van.	Malheur.																																		
Vida.	Willamette.	.51	1.13	.44	.08				.07																		.37	.05			.42				
Vistles.	Pitt.																											.04				3.07			
Waldo.	Rogue.	.32	1.70	.21																									.37				2.67		
Waldo Lake.	Willamette.	T.	1.05	.15	.24				.30	.10																	.60	.45			3.28				
Wallace Orchard.	do.	.60	1.10	.98					.09																		.03				3.26				
Walloupa.	Grande Ronde.			.13					.43																			.08	.12						
Wallowa.	do.			.04					.48																		.27	.08							
Wamic.	Deschutes.																											.06							
Warmspring.	do.	.03																											.20				0.29		
Wasco.	Columbia.																											.13							
Welches.	do.																											.62				4.55			
Weston.	Walla Walla.								T.	T.	T.	T.	T.	T.													.13				0.95				
Whitaker.	Deschutes.																																		
Williams.	Rogue.			.52	.15																														
Yonna.	Int. drainage.			T.																															

* Precipitation included in that of the next measurement.

† Separate dates of falls not recorded.

‡ Precipitation for the 24 hours ending on the morning when it is measured.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 3.—Maximum and minimum temperatures at selected stations for September, 1913. District No. 12, Columbia Valley.

Date.	Montana.				Idaho.																Boise.		Bonners Ferry.		Hot Spring.		Lewiston.		Mackay.		New Meadows.		Pocatello.		Salmon.		Shoshone.		Vernon.		Wallace.	
	Kalispell.		Missoula.		Afton, Wyo.				Boise.								Bonners Ferry.		Hot Spring.		Lewiston.		Mackay.		New Meadows.		Pocatello.		Salmon.		Shoshone.		Vernon.		Wallace.							
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.										
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.												
1.	67	39	74	49	72	53	75	50	75	32	90	55	77	48	81	49	71	30	78	59	81	52	70	56	74	56	67	46														
2.	75	34	88	34	70	46	89	54	76	33	89	53	89	48	79	46	76	29	77	56	76	39	85	52	66	43	81	35														
3.	71	49	79	62	69	50	80	60	65	35	84	63	79	61	76	54	72	39	78	56	84	55	80	56	72	47	69	48														
4.	80	54	89	54	78	40	86	63	65	34	91	60	90	62	79	50	80	49	83	55	89	44	86	53	76	46	78	56														
5.	71	42	72	50	81	41	80	55	70	47	85	55	77	54	78	46	79	34	86	58	91	46	86	50	82	48	76	50														
6.	68	36	78	38	77	41	83	49	72	34	84	53	82	46	75	46	78	30	84	53	88	46	84	51	81	47	73	36														
7.	78	38	88	38	70	43	93	51	80	34	88	53	94	46	81	42	90	26	76	54	90	42	89	50	71	55	84	37														
8.	78	43	80	46	70	46	81	61	76	41	87	66	86	57	83	43	79	38	78	59	78	52	78	60	65	45	76	42														
9.	57	36	62	46	70	45	66	46	67	41	80	50	70	45	77	45	64	32	69	52	75	54	68	46	79	48	69	42														
10.	67	30	69	30	73	33	74	40	67	30	76	39	76	41	73	37	72	18	73	40	73	32	75	37	69	32	67	31														
11.	71	30	78	32	76	33	82	47	70	35	83	43	86	41	75	40	82	23	82	40	82	32	86	42	78	36	71	31														
12.	74	39	86	34	79	33	92	55	82	50	92	52	94	48	79	40	88	25	85	48	85	35	89	55	81	38	82	41														
13.	79	43	84	46	76	36	86	65	76	47	90	62	85	56	74	39	86	35	79	55	85	38	92	55	76	42	78	38														
14.	69	48	71	48	69	46	70	48	70	37	88	52	74	49	79	41	78	32	71	54	79	51	72	41	71	35	71	34														
15.	67	41	72	38	65	32	73	44	74	35	77	46	79	51	73	42	72	28	71	42	73	26	74	46	70	44	70	34														
16.	71	36	77	34	67	29	78	49	78	48	80	47	85	47	74	40	82	24	73	39	79	31	77	44	73	34	71	37														
17.	76	42	86	40	76	29	88	53	82	46	90	45	96	46	85	52	75	43	80	28	83	43	85	42	74	32	83	42														
18.	70	44	70	58	76	34	78	51	75	40	90	56	79	59	76	41	77	26	76	61	88	48	77	45	77	38	71	42														
19.	64	34	70	40	63	26	77	44	73	32	78	52	81	44	73	43	74	21	67	40	75	37	74	36	66	38	71	32														
20.	69	34	79	32	66	24	86	45	76	30	86	42	90	42	75	41	78	17	78	36	81	26	81	47	70	30	84	33														
21.	65	36	76	38	77	32	72	52	65	36	85	49	67	52	74	34	74	30	80	51	79	31	76	54	75	33	70	23														
22.	49	40	50	42	69	31	51	40	56	40	82	39	60	48	55	34	44	31	54	35	57	38	66	32	47	26	70	23														
23.	57	33	56	40	41	29	63	39	63	32	68	33	69	39	72	42	33	55	44	55	52	60	38	68	30	50	38	68	23													
24.	58	27	59	27	45	27	60	36	67	29	65	31	71	36	76	22	62	15	52	32	58	19	65	24	52	28	68	19	67	33												
25.	62	30	58	26	54	18	67	36	70	32	66	30	77	39	60	33	64	15	59	25	67	19	62	28	68	18	67	33														
26.	68	32	75	30	64	21	71	37	73	33	71	32	82	41	65	30	72	16	69	32	75	23	71	35	68	25	74	35														
27.	70	36	76	30	67	24	75	42	70	34	74	37	84	46	68	33	77	20	71	34	76	26	73	35	69	28	75	36														
28.	73	37	80	34	70	23	81	44	66	35	82	37	80	44	70	35	78	21	77	38	79	26	78	37	72	29	74	38														
29.	66	44	70	49	69	26	60	46	70	36	82	50	66	51	71	40	59	44	64	48	72	41	63	47	72	32	74	50														
30.	68	41	70	46	64	30	68	42	65	34	69	42	72	43	68	33	64	33	64	44	72	39	62	40	72	34	63	43														
Mn.	68.6	38.3	74.2	40.4	68.9	34.0	76.2	48.1	71.1	36.7	80.9	47.5	79.9	47.9	71.6	40.1	73.6	27.8	72.7	45.8	77.2	37.7	75.3	44.5	70.5	37.4	72.6	37.5														

Date.	Washington.															Idaho.																
	Weston, Idaho.				Aberdeen.			Blaine.		Colville.			Kosmos.		Lakeside.		North Head.		North Yakima.		Odessa.		Port Crescent.		Seattle.		Sixprong.		Spokane.		Tacoma.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1.	86	59	68	40	64	41	73	37	72	41	79	51	59	53	74	42	78	41	57	37	66	48	75	44	63	48	66	45				
2.	77	58	62	46	60	45	80	34	90	43	76	51	54	51	76	40	80	41	54	45	58	50	83	54	72	54	69	55				
3.	77	53	60	54	63	52	70	51	58	38	73	58	55	52	71	57	73	56	57	50	64	55	72	54	69	55	76	55				
4.	85	46	68	56	63	53	75	56	58	51	74	57	55	52	76	64	77	62	68	57	81	54	76	64	66	56	82	56				
5.	87	67	68	52	65	50	73	45	65	56	74	53	60	50	74	42	72	43	55	42	63	51	75	51	69	50	66	52				
6.	91	50	73	45	65	40	75	32	71	50	76	45	58	51	74	44	76	32</														

TABLE 3.—Maximum and minimum temperatures at selected stations for September, 1913. District No. 12—Continued.

Date.	Washington.				Oregon.																Roseburg.		The Dalles.		Vale.	
	Tatoosh Island.		Walla Walla.		Ashland.		Baker.		Eugene.		Hermiston.		Marshfield.		Portland.		Port Orford.		Prineville.		Roseburg.		The Dalles.		Vale.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1.....	57	47	76	50	76	43	71	36	74	39	90	48	68	41	69	47	67	53	78	30	76	41	77	48	85	50
2.....	56	48	85	52	76	47	80	44	70	42	86	61	40	60	48	58	43	79	34	66	44	76	49	89	41	
3.....	58	51	78	60	76	57	71	60	72	41	84	49	65	56	66	58	55	50	70	.....	72	57	68	59	86	64
4.....	56	50	86	65	78	56	81	57	71	55	85	60	65	60	70	60	56	55	71	.....	76	59	76	62	83	57
5.....	57	50	76	59	75	46	68	50	72	50	78	58	68	51	72	54	66	50	75	45	74	53	78	51	90	53
6.....	58	47	77	49	79	43	73	40	80	46	79	39	67	42	72	49	69	49	78	32	75	45	79	47	87	48
7.....	61	50	82	54	86	47	89	40	81	44	76	41	65	48	70	53	67	48	82	35	82	47	85	46	91	45
8.....	56	50	79	52	78	49	83	47	70	43	82	40	65	48	63	51	63	45	78	53	66	46	84	60	92	59
9.....	56	48	68	49	70	36	59	33	78	39	84	38	65	39	69	50	67	46	70	39	74	47	82	46	82	
10.....	56	51	76	49	80	36	68	33	82	44	78	35	72	40	74	48	71	47	78	27	78	39	77	43	82	33
11.....	65	51	88	49	90	44	78	39	86	51	82	53	85	43	84	55	70	50	84	29	93	44	84	44	87	35
12.....	63	51	87	58	90	49	87	45	88	54	82	40	76	46	87	57	66	47	94	37	92	50	89	49	93	41
13.....	61	53	77	57	90	49	78	49	84	50	83	42	70	55	70	56	70	55	78	37	71	49	86	50	92	52
14.....	57	51	73	52	77	41	66	37	83	47	82	45	73	52	70	48	68	57	75	31	76	53	84	54	80	50
15.....	56	51	78	56	83	44	70	40	86	45	82	41	76	43	75	50	74	53	78	34	84	46	90	53	84	37
16.....	62	52	87	58	95	50	77	41	85	44	88	47	80	48	82	57	81	56	88	39	89	51	88	56	87	44
17.....	58	53	91	56	90	53	84	49	83	45	94	46	89	52	78	58	71	54	93	42	92	54	92	54	92	37
18.....	58	48	78	55	84	47	73	46	81	42	89	58	73	52	72	54	71	50	81	36	82	47	83	58	87	55
19.....	55	46	77	47	93	44	75	41	85	48	78	37	83	45	81	54	78	54	83	31	84	47	80	47	84	49
20.....	64	51	79	52	86	49	80	38	84	47	81	34	74	46	85	56	61	47	90	31	90	50	85	44	84	30
21.....	57	52	70	51	76	57	71	41	73	55	76	51	66	55	68	54	62	51	70	60	70	57	82	54	73	47
22.....	58	47	62	48	67	38	52	39	80	45	73	49	66	43	65	52	66	46	67	38	67	43	78	55	80	40
23.....	56	48	67	43	74	35	58	33	78	36	73	32	74	40	73	48	78	46	67	24	75	38	74	40	66	36
24.....	67	49	74	43	80	50	61	25	83	39	74	29	84	44	75	49	71	49	72	22	82	38	76	39	69	25
25.....	66	50	77	47	83	37	66	30	80	40	78	29	69	41	79	49	60	48	80	24	84	40	80	38	72	23
26.....	57	49	80	52	75	41	71	34	76	40	82	53	68	46	73	48	50	44	86	28	78	45	76	42	76	22
27.....	61	53	85	61	80	40	79	40	82	45	85	36	78	39	76	52	61	45	86	30	85	44	82	42	80	30
28.....	61	53	77	53	66	44	78	41	71	45	79	53	67	56	62	53	63	53	72	50	62	50	78	59	81	33
29.....	58	50	65	50	65	44	52	42	70	48	71	52	65	45	66	47	64	44	63	34	66	47	74	55	79	37
30.....	53	47	67	49	68	36	63	35	70	40	72	35	68	43	67	44	67	47	70	28	69	41	73	42	76	30
Means.	58.8	49.9	77.2	52.5	79.1	45.1	72.0	40.8	78.6	44.9	81.0	43.6	70.8	46.6	72.7	52.0	66.4	49.4	77.8	34.1b	77.4	46.8	80.2	49.6	82.6	41.6

*, b, c, etc., indicate respectively 1, 2, 3, etc., days missing from the record.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.